Table 1. U.S. EPA Endocrine Disruptor Screening Program (EDSP) tier 1 screening battery assays and tier 2 testing assays, high-throughput screening (HTS) assays, and predictive model alternatives (U.S. EPA, 2015a; Kleinstreuer et a 2016b).

Level	EDSP assays	HTS assays and predictive model alternative
Tier 1 screening battery	Estrogen receptor (ER) binding	ER Model
Tier 1 screening battery	Estrogen receptor transactivation (ERTA)	ER Model
Tier 1 screening battery	Uterotrophic	ER Model
Tier 1 screening battery	Androgen receptor (AR) binding	AR Model
Tier 1 screening battery	Hershberger	AR Model
Tier 1 screening battery	Aromatase inhibition	STR
Tier 1 screening battery	Steroidogenesis (STR)	STR
Tier 1 screening battery	Female rat pubertal	ER, STR, THY
Tier 1 screening battery	Male rat pubertal	AR, STR, THY
Tier 1 screening battery	Fish short term reproduction	ER, AR, STR
Tier 1 screening battery	Amphibian metamorphosis	THY
Tier 2 definitive test	Rat 2-gen/EOGRT	ER, AR, STR, THY
Tier 2 definitive test	MEOGRT	ER, AR, STR
Tier 2 definitive test	LAGDA	THY
Tier 2 definitive test	Japanese Quail 2-gen	ER, AR, STR, THY

Note: AR, androgen receptor; EOGRT, extended one-generation reproductive toxicity; ER, estrogen receptor; LGDA, larval amphibian growth as development assay; MEOGRT, Medaka extended one-generation reproductive test; STR, steroidogenesis; THY, thyroid. Bold type indicates total For whole-animal *in vivo* assays (e.g., female rat pubertal assay), several predictive models may be needed in an integrated approach to testing assessment (IATA).